Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A process for preparation of Cesprozil of formula (I)

in the form of a monohydrate, the process comprising: of reacting a condensing a mixed acid anhydride of α -amino-p-hydroxy phenylacetic acid of formula (III)

$$\begin{array}{c|c}
 & O \\
 & O \\$$

wherein R¹ is an alkyl or an aryl group, and R² is methyl or ethyl,
with a protected 7-amino-3-(propen-1-yl)-3-cephem-4-carboxylic acid of formula (VII)

wherein R³ and R⁴ are protective groups, and R is propen-1-yl, followed by hydrolysis, isolation and purification to give Cefprozil of formula (I) in the form of a monohydrate in high yield and purity, substantially free of impurities.

wherein the mixed anhydride of formula (III) is prepared by a process comprising the steps of

- (a) adding a suitable acylating agent and a base to a mixture of an inert organic solvent and a polar aprotic solvent at a temperature in the range of 0° to 40°C;
- (b) cooling the solution to a temperature in the range of -70° to -30°C;
- (c) addition of Dane salt of an α -amino-p-hydroxy phenyl acetic acid to the cooled solution and agitation at a temperature in the range of -70° to -30° C.
- 2. (Canceled)
- 3. (Currently Amended) A process as in claim 1 A process for preparation of Cefprozil of formula (1)

in the form of a monohydrate, the process comprising:
condensing a mixed acid anhydride of α-amino-p-hydroxy phenyl acetic acid of formula (III)

wherein R¹ is an alkyl or an aryl group and R² is methyl or ethyl, with a protected 7-amino-3-(propen-1-yl)-3-cephem-4-carboxylic acid of formula (VII)

wherein R3 and R4 are protective groups, R is propen-1-yl,

followed by hydrolysis, isolation and purification to give Cefprozil of formula (I) in the form of a monohydrate,

wherein the mixed anhydride of an examino-p-hydroxy phenylaectic acid of formula (III) is prepared by a process comprising the steps of

(a) adding [[an]] a suitable acylating agent and a base to an inert organic solvent at a temperature in the range of 0° to 40°C, preferably 20° to 25°C;

- (b) cooling the solution to a temperature in the range of -70° to -30°C, preferably -35°C to -50°C;
- (c) addition of Dane salt of an α-amino-p-hydroxy phenylacetic acid to the cooled solution and agitation at a temperature in the range of -70° to -30°C, preferably -35°C to -50°C;
- (d) addition of a polar aprotic solvent to the above solution and agitation at a temperature in the range of −70° to −30°C, proferably −35°C to −50°C.
- 4. (Currently Amended) A process as in claim 1 wherein the protected <u>7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic [7-APCA]</u> <u>7-APCA</u> of formula (VII) used

$$R^4$$
—NH S (VII) R O — R^3

is such that R3 and R4 are each a tri alkylsilyl group, and represented by formula VI.

and R is propen-1-vl.

5. (Currently Amended) A process according to claim [[2]] 1, wherein the inert organic solvent employed in step [[i)]](a) is selected from the group consisting of methylene chloride,

tetrahydrofuran, chloroform, diethyl ether, chlorotethane, acetonitrile, trichloroethylene, and ethyl acetate.

- 6. (Currently Amended) A process according to claim 3, wherein the inert organic solvent employed in step [[i)](a) is selected from the group consisting of methylene chloride, tetrahydrofuran, chloroform, diethyl ether, ehleretethane chloroethane, acetonitrile, trichloroethylene, and ethyl acetate.
- 7. (Currently Amended) A process according to claim [[2]] 1, wherein the polar aprotic solvent employed in step [[i)]](a) is selected from the group consisting of N, N-dimethyl formamide, acetone, acetonitrile, dimethyl sulphoxide, and dimethyl acetamide. N,N-dimethyl formamide is the preferred polar aprotic-solvent.
- 8. (Currently Amended) A process according to claim 3, wherein the polar aprotic solvent employed in step [[i)]](a) is selected from the group consisting of N, N-dimethyl formamide, acetone, acetonitrile, dimethyl sulphoxide, and dimethyl acetamide. N,N-dimethyl formamide is the preferred polar aprotic colvent.
- 9. (Currently Amended) A process according to claim [[2]] 1, wherein the suitable acylating agent[[s]] employed in step [[i)]](a) is an ester of an chosen from reactive forms of aliphatic, alicyclic, or aromatic acid[[s]], or a halogenide of an aliphatic, alicyclic, or aromatic acid such as chloroformic acid, benzoic acid, pivalic acid and 2-ethylhoxanoic acid. The reactive forms of these acids include their esters such as ethyl chloroformate, isobutyl chloroformate and their halogenides like pivaloyl chloride, 2-ethyl hexanoyl chloride and benzoyl chloride, the preferred acylating agent being ethyl chloroformate.
- 10. (Currently Amended) A process according to claim 3, wherein the suitable acylating agent[[s]] employed in step [[i)]](a) is an ester of an ehosen from reactive forms of aliphatic, alicyclic, or aromatic acid[[s]], or a halogenide of an aliphatic, alicyclic, or aromatic acid such as

chloroformic acid, benzoic acid, pivalic acid—and 2-ethylhexanoic acid. The reactive forms of these acids include their esters such as ethyl chloroformate, isobutyl chloroformate and their halogenides like pivaloyl chloride, 2 ethyl-hexanoyl chloride and benzoyl chloride, the proferred acyleting agent being ethyl chloroformate.

- (Currently Amended) A process according to claim [[2]] 1, wherein the base employed in step [[i)]](a) is selected from the group consisting of triethylamine, picoline, N-methylmorpholine, N, N-dimethylbenzylamine, lutidine, N, N-dimethyl-4-aminopyridine, and N, N-dicyclohexylamine, the preferred base being N methylmorpholine.
- 12. (Currently Amended) A process according to claim 3, wherein the base employed in step [[i)]] (a) is selected from the group consisting of triethylamine, picoline, N-methylmorpholine, N, N-dimethylbenzylamine, lutidine, N, N-dimethyl-4-aminopyridine, and N, N-dicyclohexylamine, the preferred base being N methylmorpholine.
- 13. (Currently Amended) A process according to claim [[2]] 1, wherein the acylating agent employed in step [[i)](a) is employed preferably in the range molar ratio of [[1]] 1.0 to 1.5 moles per mole of Danc salt.
- (Currently Amended) A process according to claim 3, wherein the acylating agent employed in step [[i]] (a) is employed preferably in the range molar ratio of [[1]] 1.0 to 1.5 moles per mole of Dane salt.
- 15. (Currently Amended) A process according to claim [[2]] 1, wherein the base employed in step [[i)](a) is employed preferably in the range molar ratio of 0.02 to 0.04 moles per mole of the Dane salt.
- 16. (Currently Amended) A process according to claim 3, wherein the base employed in step [[i)]](a) is employed preferably in the range molar ratio of 0.02 to 0.04 moles per mole of the Dane salt.

- 17. (Currently Amended) A process according to claim [[2]] 1 wherein the temperature in step [[i)](a) is proferably in the range of 20° to 25°C.
- 18. (Currently Amended) A process according to claim 3 wherein the temperature in step [[i)](a) is preferably in the range of 20° to 25°C.
- 19. (Currently Amended) A process according to claim [[2]] 1 wherein the Dane salt is preferably sodium or potassium D-N- (1-methoxycarbonylpropene-2-yl)-α-amino-p-hydroxyphenyl acetate or sodium or potassium D-N- (1-ethoxycarbonylpropene-2-yl)-α-amino-p-hydroxyphenyl acetate.
- 20. (Currently Amended) A process according to claim 3 wherein the Dane salt is preferably sodium or potassium D-N- (1-methoxycarbonylpropene-2-yl)-α-amino-p-hydroxyphenyl acetate or sodium or potassium D-N- (1-ethoxycarbonylpropene-2-yl)-α-amino-p-hydroxyphenyl acetate.
- 21. (Currently Amended) A process according to claim [[2]] 1 wherein the temperature in step [[i)(c)]] (b) is preferably in the range of -35°C to -50°C.
- 22. (Currently Amended) A process according to claim 3 wherein the temperature in step [[i)(c)]] (b) is preferably in the range of -35°C to -50°C.
- 23. (Currently Amended) A process according to claim [[2]] 1 wherein the temperature in step [[i)(d)]] (c) is preferably in the range of -35°C to -50°C.
- 24. (Currently Amended) A process according to claim 3 wherein the temperature in step [[i)(d)]] (c) is preferably in the range of -35°C to -50°C.
- 25. (Currently Amended) A process according to claim 1 wherein the mixed acid anhydride is condensed with protected 7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic acid 7-APCA at a temperature preferably in the range of -90° to -30°C.

- 26. (Currently Amended) A process according to claim [[1]] 25 wherein the mixed acid anhydride is condensed with protected 7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic acid 7-APCA at a temperature most proferably in the range of -50° to -40°C.
- 27. (Currently Amended) A process according to claim [[25]] 38 wherein the mixed acid anhydride is condensed with protected 7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic acid 7-APCA at a temperature most preferably in the range of -50° to -40°C.
- 28. (Currently Amended) A silylated 7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic acid empound of according to claim 4, is of formula (VI)[[.]]

29-30. (Canceled)

31. (New) A process according to claim 3 wherein the protected 7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic [7-APCA] of formula (VII) used

is such that R³ and R⁴ are each tri alkylsilyl group, and R is propen-1-yl.

- 32. (New) A process according to claim 7, wherein the polar aprotic solvent is N, N-dimethyl formamide.
- 33. (New) A process according to claim 8, wherein the polar aprotic solvent is N, N-dimethyl formamide.
- 34. (New) A process according to claim 41, wherein the suitable acylating agent is ethyl chloroformate.
- 35. (New) A process according to claim 42, wherein the suitable acylating agent is ethyl chloroformate.
- 36. (New) A process according to claim 11, wherein the base is N-methylmorpholine.
- 37. (New) A process according to claim 12, wherein the base is N-methylmorpholine.
- 38. (New) A process according to claim 3, wherein the mixed acid anhydride is condensed with protected 7-amino-3-(propen-1-yl)-3-cephem-4-carboxylic acid at a temperature in the range of -90° to -30°C.
- 39. (New) A silylated 7-amino-3- (propen-1-yl)-3-cephem-4-carboxylic acid according to claim 31, is of formula (VI)

- 40. (New) A process according to claim 3 wherein the temperature in step (d) is in the range of -35° C to -50° C.
- 41. (New) A process according to claim 9 wherein the suitable acylating agent is selected from the group consisting of chloroformic acid, benzoic acid, pivalic acid, 2-ethylhexanoic acid, ethyl chloroformate, isobutyl chloroformate, pivaloyl chloride, 2-ethyl-hexanoyl chloride, and benzoyl chloride.
- 42. (New) A process according to claim 10 wherein the suitable acylating agent is selected from the group consisting of chloroformic acid, benzoic acid, pivalic acid, 2-ethylhexanoic acid, ethyl chloroformate, isobutyl chloroformate, pivaloyl chloride, 2-ethyl-hexanoyl chloride, and benzoyl chloride.